

## Today's Topics:

6 meter R/C  
ARRL PFB NR 43  
Aviation Radio: Info Required  
Earthquake in SF!!!  
Information Required  
Internet DXing  
Is there any DXing or media-oriented mailing list around ?  
Magnetometers and magnetic storms  
Numbers Transmissions

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Date: Tue, 24 Oct 89 05:42:49 PDT  
From: MORRIS%ORN.MFENET@CCC.NMFECC.GOV  
Subject: 6 meter R/C

Group,

Does anyone do much experimenting with R/C? Since I don't have too much time, I have combined my hobbies and am flying model planes on 6 meter R/C. I would like to know if much design/modification is done to the equipment. Recently I bought some used ACE R/C equipment and have had good results with it. The design is somewhat dated, but I can get all the diagrams, parts, and help with no trouble from ACE. This is different from the other import units which charge \$5 for a 50 cent control pot. Also I am eyeing the new computer controlled transmitters, but the \$500 plus price is out of my league. Any homebrew ideas in this direction? Where do I look? The Ham mags have very little on the subject. Does anyone know where I can get Plessy ICs and data sheets from? The back-of-the-mags ads suppliers don't seem to carry them. Finally, anything good or bad about ACE products? The people around here seem to think they are quite good.

The only mod I have done so far is to change the throttle so that the trim only affects the idle and not the high end. Thanks in advance.

KI4NW

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Date: 24 Oct 89 10:40:08 GMT  
From: n8emr!gws@tut.cis.ohio-state.edu (Gary Sanders)  
Subject: ARRL PFB NR 43

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| Relayed from packet radio via |  
| N8EMR's Ham BBS, 614-457-4227 (1200/2400/19.2 telebit,8N1) |

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ARRL PFB NR 43 (ARLP043) 10/23/89

ANYONE WHO OBSERVES THE UPS AND DOWNS OF SOLAR ACTIVITY KNOWS THAT MONTHLY CHARTS OF THE SOLAR FLUX AND OTHER WWV DATA WILL SHOW CONSIDERABLE SIMILARITY FROM ONE MONTH TO THE NEXT, MORE OFTEN THAN NOT. THE AUTHOR OF THESE BULLETINS HAS CHARTED THE WWV SOLAR FLUX, A INDEX AND K INDEX MONTHLY SINCE 1974.

THESE CHARTS SHOW CONSIDERABLE SIMILARITY, PARTICULARLY IF DRAWN SO THAT 27 OR 28-DAY INTERVALS LINE UP VERTICALLY, MAKING THE SUNS ROTATIONAL PERIOD MORE OBVIOUS. A SERIOUS FORECASTER WILL KNOW THAT THE ROTATIONAL PERIOD OF THE SUN IS NOT TOTALLY RELIABLE, HOWEVER. OUR SEPTEMBER AND OCTOBER CHARTS SHOW A TYPICAL RECURRENCE IN OCTOBER. AN EXTREME DISIMILARITY IS ALSO PLAIN TO SEE. A SECOND PEAK, IN THE OCTOBER CHART, COMES UP DIRECTLY ABOVE A DEEP VALLEY IN THE SEPTEMBER ONE.

NOTETAKING IS ALSO USEFUL, ESPECIALLY WHEN A NEW ACTIVE AREA APPEARS, AS IN THE PAST WEEK. THE RARE ALIGNMENT OF THE SUN, EARTH AND MOON MENTIONED LAST WEEK, APPEARS TO HAVE BEEN RESPONSIBLE FOR VERY MARKED CHANGES IN THE PROPAGATION PICTURE IN THE PAST FEW DAYS. MORE CONVENTIONAL PROPAGATION APPEARS LIKELY FOR THE FORECAST WEEK.

AMERICAN SUNSPOT NUMBERS FOR OCTOBER 12 THROUGH 18 WERE BETWEEN 169 AND 236 WITH A MEAN OF 205.7. AR

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Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325  
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]  
HAM/SWL/SCANNER BBS (1200/2400/PEP) 614-457-4227

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Date: 20 Oct 89 14:26:05 GMT  
From: mcsun!ukc!axion!vision!dave1@uunet.uu.net (Dave Lockwood)  
Subject: Aviation Radio: Info Required

I'm pretty familiar with the use of Voice comms over radio in the aviation world, however (as I'm also a radio nut :-), I'd like to learn more about:

VOR, DME, IM/MM/OM, NDB, TACAN, ILS, MLS

(and any other uses of radio for aviation purposes).

Would any of you care to post explanations of how these wonderful things work?

I'll summarise if there's interest.

Thanks in advance

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* I I          Dave Lockwood          These opinions are shareware.
* II          Technical Consultant      If you like them, send $10...
* I *   *
* ** *          davel@vision.UUCP      VisionWare Ltd,
* * * *   ...!uunet!mcvax!ukc!vision!davel  Leeds Business Park,
** **          +44-532-522020 X2439      Leeds, LS27 0JG,
*   *          United Kingdom
VISIONWARE DOS/UNIX Integration
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Date: 23 Oct 89 22:24:51 GMT  
From: hpl-opus!hpnmdla!hpsad!mikew@hplabs.hp.com (Mike Weihman)  
Subject: Earthquake in SF!!!

> From: roger@hpnmdla.HP.COM (Roger Petersen):  
>  
> Can anyone provide a report about how well the Bay Area hams responded to  
> the earthquake?  
>  
> My roommate was listening to his scanner Tuesday night, and said that  
> most of the activity on 2 Meters was people trying to figure out logistics --  
> who, on what frequency, doing what. He commented that there was a lot  
> more "noise" than "useful signal", implying that us hams weren't prepared.  
>  
> I was out of town all week, so I didn't have a chance to tune in.  
> How smoothly did things go?  
>

The Sonoma County RACES net was started very shortly after the shake by a net controller at his home. The OES Emergency Operating Center position was established at 18:15 with two operators: a command net and a resource assignment net. About a dozen mobile stations were deployed to assess the damage to roads and services within Sonoma County. By 19:30, it was clear that this county had minimal damage, and the net was turned over to traffic with bay area stations.

The California Department of Forestry Volunteers-In-Prevention (CDF-VIP) radio net was assembled (with many of the same RACES operators) and they worked throughout Tuesday night to set up radio links with amateur CDF stations in the Santa Cruz mountains. These hams carried emergency requests as well as health and welfare traffic

until the net was closed at 19:00 on Saturday night. In addition, they passed traffic on the Northern California UHF linked repeater system (440.5 MHz), which was primarily used as a link between the state OES headquarters in Sacramento and OES and Red Cross stations in the affected areas.

Some Sonoma County hams also traveled to Alameda County to act as communications resources for the rescue base set up at the I-880 collapse.

All told, I thought the traffic was fairly productive and organized once the initial logistics were worked out. There was a dose of confusion, but I think it was small given the conditions. There was, in my opinion, too much non-willful interference on 2m from stations passing unimportant traffic (ie chewing the rag) on or near important frequencies. Also: a high speed digital net (de N6GN) and the appropriate end stations would have been neat to see...

-mike

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Mike Weihman                      n1dje:      RACES, CDF-VIP

mikew@hpsadmjw.hp.com

mikew%hpsadmjw@hp-sde.sde.hp.com

HP Signal Analysis Div.

1212 Valley House Dr.

Rohnert Park, CA 94928

(707) 794-4454

Volunteer firefighter/EMT

Penngrove Fire Prot. Dist.

Penngrove, CA

The BIG one is still on the way... let's be ready!

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Date: 23 Oct 89 23:33:14 GMT

From: mailrus!jarvis.csri.toronto.edu!torsqnt!tmsoft!nebulus!root@tut.cis.ohio-state.edu (Dennis S. Breckenridge)

Subject: Information Required

I am looking for any and all information on a Telemobile Inc, Commercial 440 rig. I have no information on this radio, I just purchased it at a Hamfest. Telemobile is somewhere in California probably L.A. I need control head schematics and probably radio drawings as well. Any information would be appreciated.

73's Dennis

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Dennis S. Breckenridge, VE3-GSS, Toronto, Ontario, Canada  
EMAIL: uunet!attcan!{tmsoft|telly}!nebulus!dennis

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Date: Tue, 24 Oct 89 11:17 EDT  
From: Ed Schwalenberg <Ed@ALDERAAN.SCRC.Symbolics.COM>  
Subject: Internet DXing

Having just seen an electronic mail message from a country whose two-letter abbreviation I don't recognize and couldn't guess from context, I've decided to try for DXCC (and WAS, for that matter) via Internet. (The ultimate Internettish thing would be WAD, Worked All Domains, but domains are created far more often than countries.)

To invent some rules:

1. Messages exchanged via bulletin boards don't count: the messages must be exchanged via mail. It's perfectly ok to post CQ's to bulletin boards, but there must be two-way communication via mail to qualify as a contact. (If this game gets too popular, we may need to set up a separate bboard for it, lest INFO-HAMS/rec.ham-radio become an unusable pileup!)
2. In lieu of signal reports, QSL messages should include the text AND HEADERS of the message being replied to. This provides propagation information, such as the number of relay stations and the number and kind of mail protocols involved in the conversation.
3. A completed contact should be a message that looks like this:

j      From: Ed  
j      To: Faraway-Joe

e      From: Faraway-Joe  
e      To: Ed

x      From: Ed  
x      To: Faraway-Joe

x      I saw your CQ in INFO-HAMS; here's a response from  
x      Burlington, Massachusetts USA.

e      Thanks for the response Ed, I'm in Farawayville,  
e      Neverneverland.

j     Here's your confirmation, Joe.  
The message marked x is an initial call, it doesn't count  
(unless you want to play by SWL rules, in which case it counts  
for Joe.) The lines marked e (with the included lines marked x)  
form a completed contact for Ed: it's proof positive that he  
communicated with Joe. The lines marked j (with all the included  
lines) form Joe's completed contact. The actual format (order,  
indenting, etc.) of the information doesn't matter.

4. Of course, you can include whatever other information you want  
in your messages, like your rig (Sun-3/60 w/8meg or whatever),  
other hobbies/interests, weather, latitude/longitude/altitude,  
whether you're operating from the home or work QTH, etc.

So, CQ IDX (Internet DX) de Ed@Stony-Brook.SCRC.Symbolics.COM,  
in Burlington, MA USA!

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Date: 24 Oct 89 18:16:40 GMT  
From: eru!luth!sunic!tut!kannel!huopio@bloom-beacon.mit.edu (Kauto Huopio)  
Subject: Is there any DXing or media-oriented mailing list around ?

Is there any kind DXing or media-oriented mailing list around? I think that  
rec.ham-radio is not a very proper place to publish programme schedules and  
other such information.. I might be interested in putting up such mailing  
list, if there is enough interest? So, anyone interested in a DXing and media-  
oriented newsletter, send a message to huopio@kannel.lut.fi !

--Kauto  
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\*\*\*\*\* Kauto Huopio (huopio@kannel.lut.fi) \*\*\*\*\*  
\*US Mail: Kauto Huopio, Punkkerikatu 1 A 10, SF-53850 Lappeenranta, Finland \*  
\*Project: Learn some GNU Emacs first.. :-) \*  
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Date: 23 Oct 89 20:00:11 GMT  
From: rochester!rit!cci632!dvh@cu-arpa.cs.cornell.edu (David Hallidy)  
Subject: Magnetometers and magnetic storms

In article <8910200203.AA10601@cmr.ncsl.nist.gov>, rc@CMR.NCSL.NIST.GOV (Robert  
Carpenter) writes:

> Well, actually the subject is detecting magnetic disturbances.  
>

(lots of details of W3GKP's age-old method of detecting magnetic

disturbances deleted)

> BTW, Smitty was one end of the first ham EME contact (with W4A0) on two  
> meters. Sadly they are both now Silent Keys.  
>  
> 73, Bob W30TC

Smitty (W3GKP- SK) was also on one end of the first 2304 EME QSO, with a large dish and 1kW Klystron courtesy of the MARS program- this was back in 1970. The Klystron, a Varian VA-802, now resides at the shack of Al Ward WB5LUA and has a small plaque on its magnet commemorating the feat. It is used with great respect regularly.

Sigh. The list of the pioneers who have joined the ranks of the Silent Keys is rather staggering, indeed. Just saw some pix at our most recent Rochester VHF Group meeting of Mel Wilson, W2BOC and his station, describing some of the methods he used to predict VHF propagation enhancements- especially Aurora, years ago.

73, Dave Hallidy KD5RO

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Date: 23 Oct 89 23:49:26 GMT  
From: portal!cup.portal.com!HAVANAMOON@uunet.uu.net (Havana - Moon)  
Subject: Numbers Transmissions

For the most fascinating Numbers story in the past 25 years, see the November issue of Umbra et Lux. This newsletter, which focuses on covert radio, SIGINT, espionage, intelligence and counter-intelligence continues to be free for the asking and a #10 SASE.

The November issue will be available next week. Send for your copy to:

Umbra et Lux  
DX/SWL Press  
Department U/kk  
10606-8 Camino Ruiz, Suite 174  
San Diego, CA 92126

If you're a Numbers-chaser this story will blow you away. This isn't hype, guys - this is for real!

Havana Moon  
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End of INFO-HAMS Digest V89 Issue #798  
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